

**CARDIO THORACIC & NEURO SCIENCES CENTRE**  
**ALL INDIA INSTITUTE OF MEDICAL SCIENCES - 29**

**TENDER/RATE ENQUIRY**

**R. E. NO.23/CNC/NS/16-17/ST**

**Dated: - 04/07/2016**

**NAME OF THE FIRM IN WHOSE** \_\_\_\_\_

**FAVOUR THE TENDER FORM HAS** \_\_\_\_\_

**BEEN ISSUED** \_\_\_\_\_

**THE ASST. STORES OFFICER, ROOM NO. 17, 1<sup>st</sup> Floor, Nurses Hostel (Near  
New Private Ward). A.I.I.M.S., Ansari Nagar, New Delhi-110029.**

**LAST DATE OF SUBMISSION : 19/07/2016 AT 11.00 A.M.**

**DATE OF OPENING : 19/07/2016 AT 2.30. P.M.**

**SEAL OF THE OFFICER**

**CONTD.....2**

Dear Sir,

1. I/We hereby submit our sealed quotation along with sample for the purchase of:

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2. All the terms and condition such as taxes etc. has been indicated in the schedule failing which it May be presumed that the rates are inclusive of all taxes and other terms and conditions are also as Per your terms and conditions are also as your requirements.

3. I/We have deposited security of Rs. 5000/- in favour of A.I.I.M.S., CNC A/C NEW DELHI vide  
C.N. Centre cashier receipt Number \_\_\_\_\_Book  
No. \_\_\_\_\_ through the Stores Section, C.N. Centre and Photocopy of the Deposit receipt is enclosed with as per Your terms and conditions.

THE FIRM SHOULD SUBMIT COPY OF FOLLOWING CERTIFICATE ALONG WITH SEALED QUOTATION.

- a. A proof of ownership/partnership etc. shall be submitted along with verification of address, telephone & fax numbers.
- b. The latest income tax certificate & Scale Tax certificate.
- c. The firm also required to submit authority letter from manufacturer/principal for Supplying item without which tender will not be considered.
- d. The firm has to give a certificate that the firm has not been blacklisted in the past by any Institution, Government/Private.

CONTD.....3

- e. The firm has to give an affidavit on a non-judicial stamp paper that there is no  
Vigilance/CBI case pending against the firm/supplier.
  - f. The firm has to give an affidavit on a non-judicial stamp paper that the firm is  
Not supplying the same item at lower rates quoted in the tender to any organization or any other institution during past 1 year, as per FALL  
CLAUSE  
Adhered by DGS & D and other government agencies.
- 4. I/We hereby agrees to all the terms and conditions, stipulated in the tender document,  
In this connection including delivery penalty etc. Quotation for the item is being  
Submitted under sealed cover and sheets and be considered on their face value.
  - 5. I/We undertake to sign the rate contract agreement within 10 days from the issue of  
The letter of acceptance, failing which our/my security deposit may be forfeited and  
Our/my name may be removed from the list of suppliers at the AIIMS.
  - 6. I/We have noted that over writing entries shall be deleted unless duly out/written and initialed.
  - 7. Tender is duly signed (not thumb impression is affixed)
  - 8. If the firm gives a false statement on any of the above information the firm/supplier  
Will not considered and their quotation shall be rejected and the security deposited shall be forfeited.

9. The firm should have been in this business for a period of a least two years in the  
Relation to the type of item for which the quotation are being submitted.
10. This forbidding letter duly signed is returned along with the sealed quotations.

Yours faithfully

Signature of tenderer  
With official rubber stamp  
and  
Full Address.

1. Witness and Address

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2. Witness and Address

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**CARDIO THORACIC & NEURO SCIENCES CENTRE**  
**ALL INDIA INSTITUTE OF MEDICAL SCIENCES - 29**

RE.NO. 23/CNC/NS/2016-17/ST.

Ansari Nagar, New Delhi

Dated: 04/07/2016

Quotations are invited by post/per bearer for the supply of items detailed below which are required for Neurosurgery, C.N. Centre, AIIMS.

The quotations should reach this officer on or before 19/07/2016 at 11.00 A.M. duly sealed & marked tender/R.E. No. 23/CNC/NS/2016-17/ST. due for opening at 2.30 P.M. on 19/07/2016 in the office of Asst. Stores Officer, Room No. 17, 1<sup>st</sup> Floor, Nurses Hostel (Near New Private Ward), AIIMS, New Delhi-110029. All quotations should be typewritten or in ink. All over writing and erased entries will be deleted from the quotations. The rates should be valid at least for one year.

The tenders are required to deposit security of Rs. 5,000/- through a Demand Draft/Pay order drawn in favour of the AIIMS, CNC, Accounts, New Delhi - 29, before submission of the quotations, failing which the same will not be considered. The tenders already having such security deposited are not required to deposit the same again but they will indicate the number and date of the cash receipt by which the firm had deposited the security purchase shall be made at the cost and risk of the contractors, and or liquidated damages will be recovered from them.

The firms have to quote for one best quality only and only sample of the quality should be submitted. The offers submitted as quality A, B, C, & D etc. will be summarily rejected, any alteration in the specification shall not be considered at all.

The quoted items having quality mark such as I.S.I/C.E. mark/ISO9002 Standardization should be mentioned if any.

S. No.	NOMENCLATURE: -	Qty.
1.	"Three Channel ECG Machine"	04 Nos.

# TECHNICAL SPECIFICATION: THREE CHANNEL ECG MACHINE Features:

4 Nos

1. It should be portable and light weight with handle molded in the main body.
2. It should have a colored, Scratchproof, tiltable TFT display (Resolution: 320x240) of atleast 7 inches.
3. Following Display/ Printing Modes Should be Available

AUTO MODE		MANUAL MODE		RHYTHM MODE	
DISPLAY	PRINT	DISPLAY	PRINT	DISPLAY	PRINT
3X4 +1 R	3X4 +1 R	1	1	1 (36SEC)	Complete Print of 60 Seconds
3X4 +3R	3X4 +1 R	2	2		
6X2	3X4 +1 R	3	3		
6X2 +1R	3X4 +1 R			3	Complete Print of 60 Sec
12X1	3X4 +1 R				
3X4	3X4				

4. Facility of Periodic Print: User can define for duration of 0-60 Min Print to be automatically taken after an interval of 1-60 min for a ECG of 1-10 Seconds.
5. It should have the facility to Turn OFF the Interpretation.
6. It should have available Filters: AC Filter/ Baseline Drift Filter/ EMG Filter/ Low Pass Filter.
7. It should have controls for Keypad Tone, Beep Volume, QRS Beep, Auto Sleep Duration, LCD Off Time.
8. It should have storage for 500 Patients.
9. It should have Battery Backup for 400 ECG's.
10. It should have Playback for Stored ECG.
11. It should have Thermal Recorder (80mmx20m), Rolling Paper.
12. It should have Simultaneous/ Sequential Acquisition of all 12 Leads Acquisition.
13. It should have easy patient data entry like name / age via Hard Key Board.
14. It's thermal printer should print ECG Waveforms, Lead Name, Paper Feed Speed, Gain, Analysis Report, Patient's information.
15. It should have a Trigger Mode to Start recording once Ectopics are detected.
16. It should have facility to Sample the ECG for Diagnosis, before or after printing
17. It should have multicolored chest and clamp electrodes for quick patient preparation.
18. It should be able to print on unmarked paper as well.
19. It should have the facility for instant base line correction via one touch button.
20. It should have automatic measurement of ECG parameters with analysis report.
21. It should have standard memory of minimum 800 Patient Data Storage.
22. It should be able to increase the storage capacity by insertable Storage media.
23. It should have the facility to convert stored test in PDF format & store on a USB drive to have A4 Size. Printout.

Dr. B. S. Sharm  
8/5/16  
Dr. B. S. Sharm

Dr. B. S. Sharm

Dr. Manmohan Singh -

Dr. Kamalpreet Singh -

Dr. Ramesh -

Dr. Virendra Tandon -



Lead:- 12 leads  
Input Circuit:- Built-in defibrillator protection  
Acquisition Mode:- Simultaneous 12 leads acquisition  
Measurement Range:-  $\pm 5\text{mVpp}$   
Time Constant:-  $\geq 3.2\text{s}$   
Frequency Response :-  $0.05\text{Hz}-150\text{Hz}$  (-3dB)  
Sensitivity:- 2.5mm/mV, 5mm/mV, 10mm/mV, 20mm/mV  
Input Impedance:-  $\geq 50\text{m}\Omega$   
Input Circuit Current:-  $< 0.05\mu\text{A}$   
Noise Level:-  $< 15\mu\text{Vp-p}$   
Anti Baseline Drift:- Automatic  
Patient current Leakage:-  $< 10\mu\text{A}$  (220V-240V)  
Filter:- EMG Filter: 30Hz/40Hz  
DFT Filter: 0.05Hz/15Hz/0.25Hz/0.5Hz  
AC Filter:- 50Hz/60Hz  
Recording Mode:- Automatic: 3CH, 1CH+1R  
Manual: 3CH, 2CH, 1CH  
Rhythm: Any Lead selectable  
Recording System: Thermal matrix printing  
Recording Paper: Roll: 80mm\*30m  
Paper Speed: 6.02mm/s, 25mm/s, 50mm/s  
Interface: Network interface, USB Master/Slave, SD Card  
Sample Rate: Normal: 10000 sps/channel  
Pacemaker Detection:-  $\geq \pm 2\text{mV}$ ,  $\geq \pm 0.1\text{ms}$   
Dimension:- 310mm\*244mm\*65mm  
Weight:- 2.25kg (including Battery)  
Power Supply:- 100-240V, 50/60Hz, 30VA-100VA  
DC:- 14.8V/4400mAh, built-in lithium Battery

15/5/12